

# CERTIFICATE OF ANALYSIS

(Certificate No. KMO001008-01)

Release Date: 22/02/2024

Re-test Date: 21/02/2027

## Omeprazole OME VIII

### Identification

**Chemical Name :**

8-methoxy-1,3-dimethyl-12-thioxobenzo[4',5']imidazo[2',1':2,3]imidazo[1,5-a]pyridin-2(12H)-one

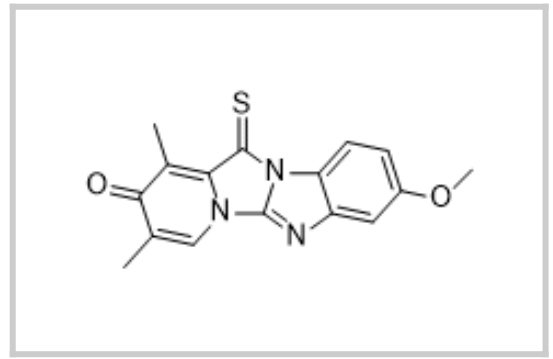
**Alt. Name** : Omeprazole BP Impurity F , Isomer of Omeprazole EP Impurity G , Omeprazole USP Related Compound F

**CAT No.** : KMO001008

**CAS No.** : 125656-82-8

**Molecular Formula** : C<sub>16</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>S

**Molecular Weight** : 311.36



### Analytical Information

**Batch No.** : OME-RCF-073-088

**Description** : Brown Solid

**HPLC Purity** : 92.94 %

**Weight Loss By TGA** : 1.59 %

**% Potency** : 91.46 %

**Solubility** : THF

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** =  $[100 - 1.59(\text{Weight Loss By TGA})] \times [92.94(\text{HPLC Purity})]/100 = 91.46 \%$

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		22/02/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		22/02/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA